

FIG. 1

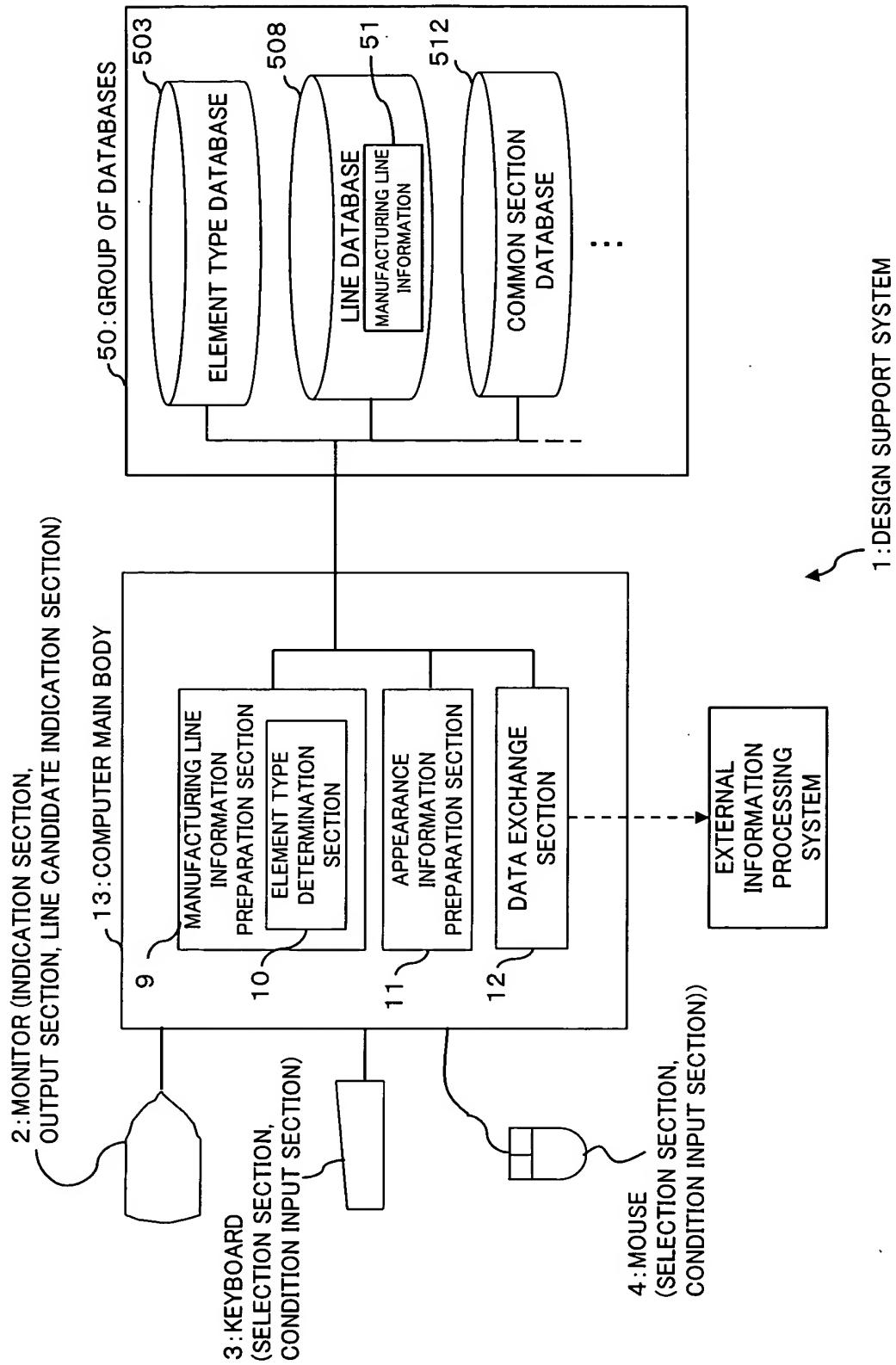


FIG. 2

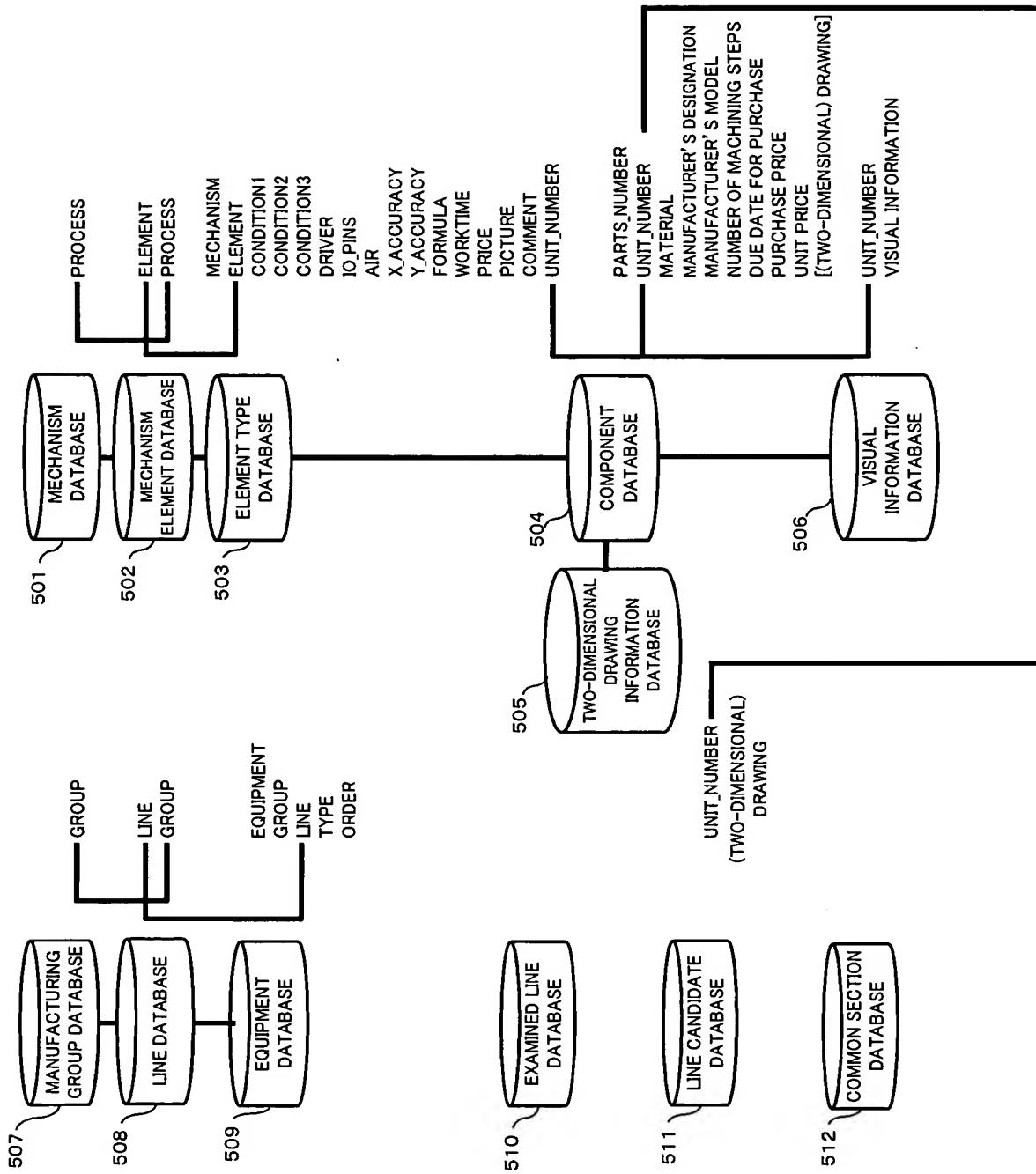
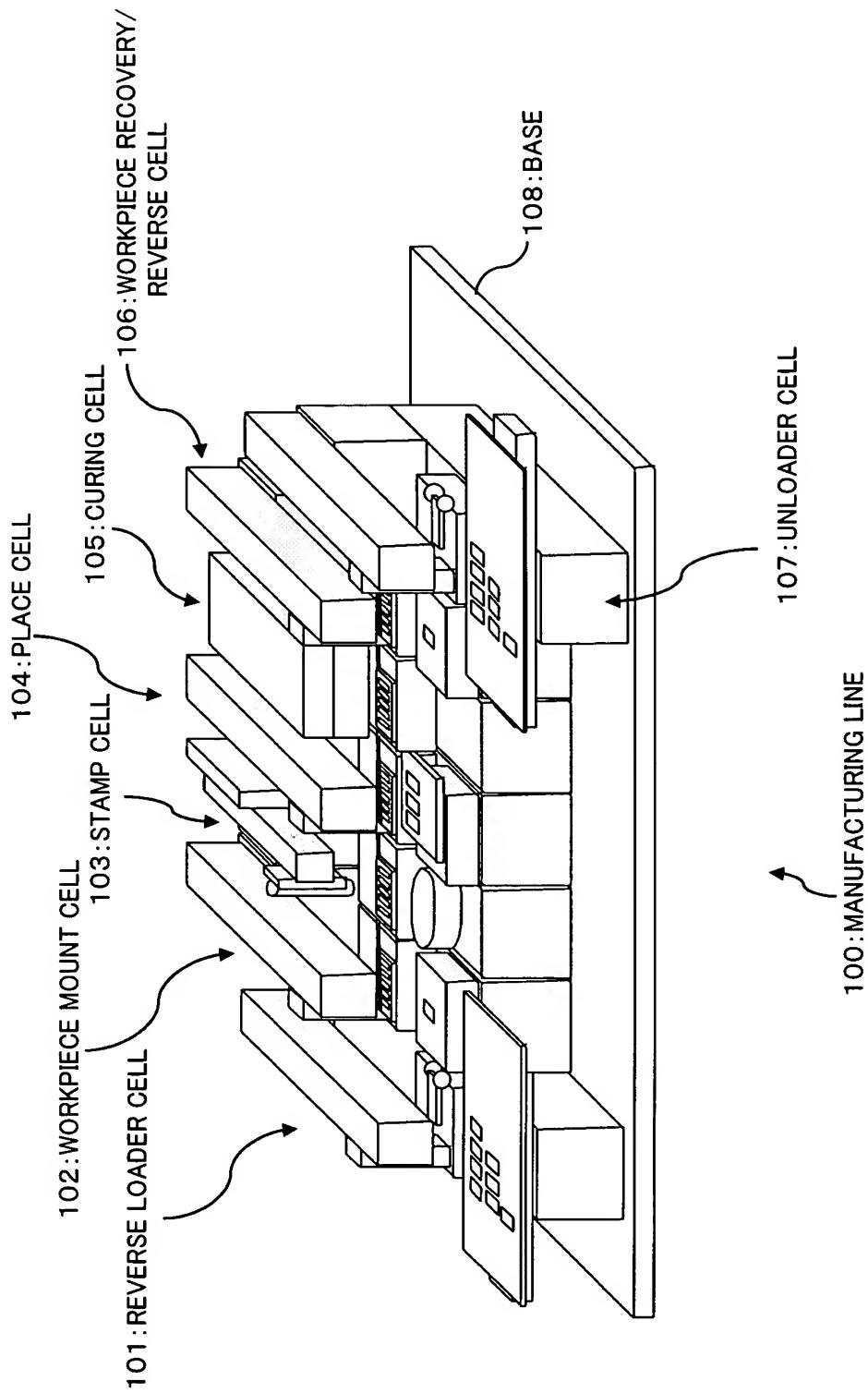


FIG. 3



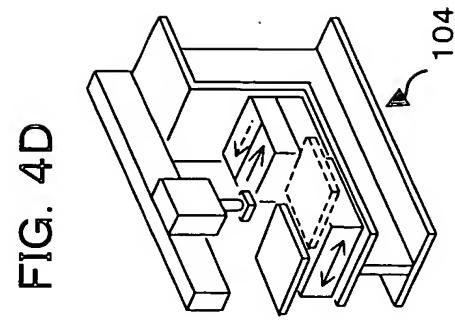


FIG. 4D

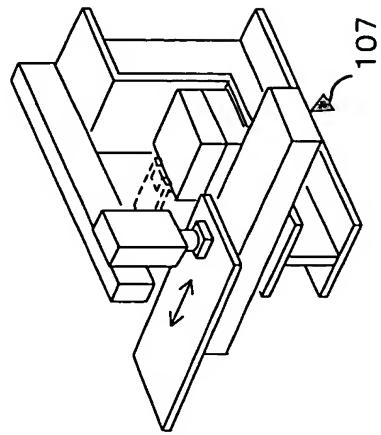


FIG. 4G

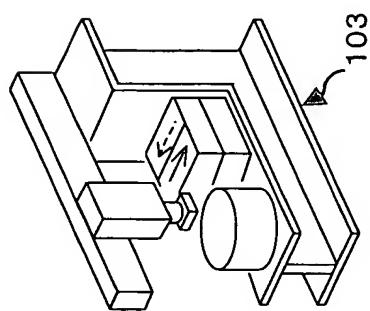


FIG. 4C

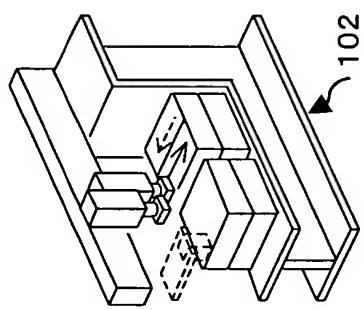


FIG. 4B

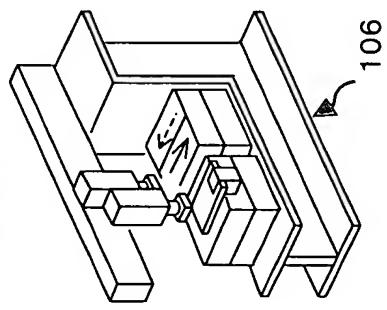


FIG. 4F

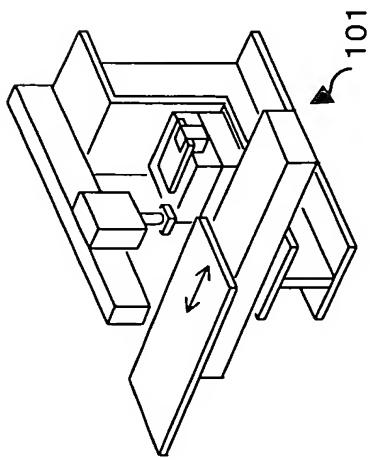


FIG. 4A

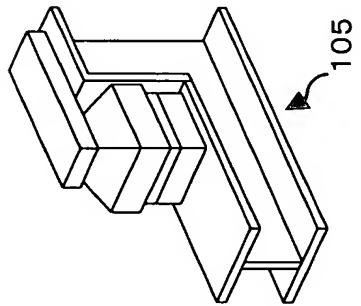


FIG. 4E

FIG. 5

HIERARCHY AND RELATIONSHIP OF DB		REMARKS
LINE		COMBINATION OF CELLS AS MANUFACTURING LINE
EQUIPMENT		COMBINATION CONSTITUTING CELLS AS SINGLE FACILITY
MECHANISM ELEMENT		DISASSEMBLED OBJECTIVES (FUNCTIONS) OF RESPECTIVE CELLS, DESIGNATIONS OF PROCESSES IN FACILITY
ELEMENT TYPES		PROCESSES DISASSEMBLED ON-PER-ELEMENT BASIS
		<p>PARAMETERS BELONGING TO MECHANISM ENTRIES</p> <p>DESIGNATION OF MECHANISM: MECHANISM DESIGNATION CONDITIONAL EXPRESSION: ANOTHER CONDITION FOR COMBINATION OF MECHANISMS ACCURACY: ACCURACY OF SINGLE SUBSTANCE INCIDENTAL EXPRESSION: INCIDENTAL EXPRESSION FOR COMPUTATION OF ACCURACY OPERATING SPEED: OPERATING SPEED OF SINGLE SUBSTANCE PRICE: PRICE OF SINGLE SUBSTANCE</p> <p>AUTOMATIC COMPUTATION OF ACCURACY, TACT, AND PRICE PERFORMED BY COMBINATION OF MECHANISMS</p>

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FIG.

TITLE: DESIGN SUPPORT SYSTEM
INVENTORS: Toru OKADA, et al.
SERIAL NO.:
DOCKET NO.: 1075.1255

FIG. 7A
FIG. 7B

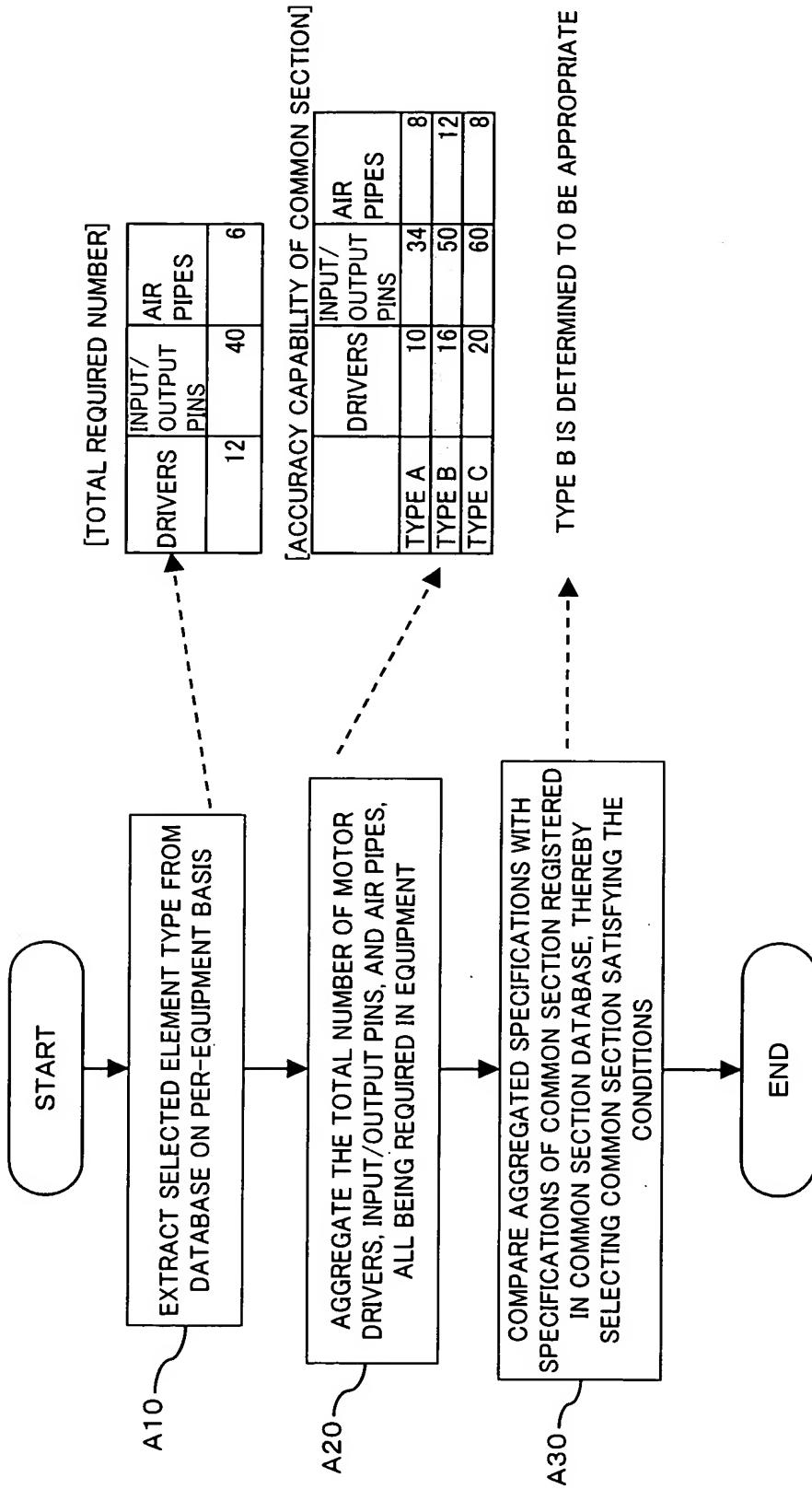


FIG. 8

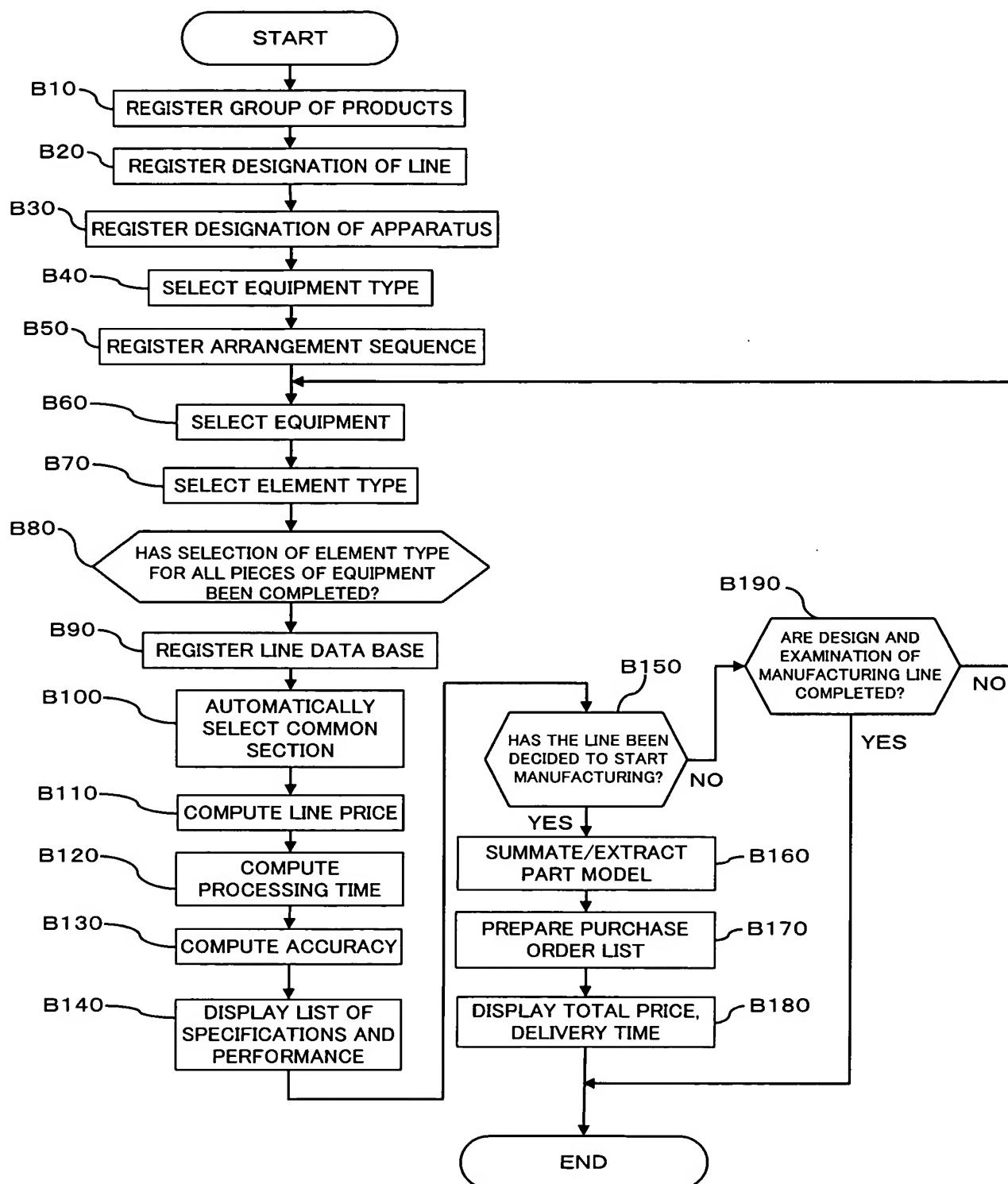


FIG. 9

REGISTER DESIGNATION AND GROUP OF MANUFACTURING LINE

EQUIPMENT		LINE GROUP	TYPE	ORDER
29	UNLOADER	CONSISTENT	PMA	SUPPLIER ▶ 14
31	DISPENSER	ELEMENT STACK	GYRO	DISPENSER ▶ 1
32	PLACER	ELEMENT STACK	GYRO	PLACER ▶ 2
33	CURER	ELEMENT STACK	GYRO	CURER ▶ 3
34	Ag PASTE	ELEMENT STACK	GYRO	DISPENSER ▶ 4
35	FPC PLACER	ELEMENT STACK	GYRO	PLACER ▶ 5
36	BONDER	ELEMENT STACK	GYRO	CURER ▶ 6
37	LOADER	OPT	OPT	SUPPLIER ▶ 1
38	TRANSFER CELL	OPT	OPT	DISPENSER ▶ 2
39	PLACE CELL	OPT	OPT	PLACER ▶ 3
40	UV EXPOSURE CELL	OPT	OPT	CURER ▶ 4
41	INSPECTION CELL	OPT	OPT	DISPENSER ▶ 5
42	UNLOADER	OPT	OPT	SUPPLIER ▶ 6
AUTO NO.				0

レコード [◀ ▶ ▲ ▼ ▶*] / 31

REGISTER DESIGNATIONS OF
 RESPECTIVE PIECES OF EQUIPMENT

REGISTER TYPES AND PROCESS
 SEQUENCES OF PIECES OF EQUIPMENT

FIG. 10

SELECT SUITABLE ELEMENT TYPE

SAVE ALL DETERMINED DATA

SELECT CHECKBOX MECHANISM

Select the combination of mechanism

ELEMENT	PROCESS
ZTR	PLACE
SUB ORG	

FIX

REQUIRED SPECIFICATION

MECHANISM	USE
ACCURACY	WORKTIME
PRICE	

CYLN	1.2	¥120,000
3	3	

COMMENT:

OPERATION FOR EFFECTING VERTICAL ACTUATION THROUGH USE OF CYLINDER

OPT	UNLOADER	PLACE
ZTR	CYLN	3
PARTS NUMBER		1.2

OPT	UNLOADER	PLACE
ZTR	MOTR	3
PARTS NUMBER		0.5

SELECT THIS WHEN VERTICAL ACTUATION IS TO BE PERFORMED THROUGH USE OF CYLINDER. USE THIS WHEN HEIGHT OF VERTICAL ACTUATION IS TO BE CONTROLLED

NON

OPT	UNLOADER	PLACE
ZTR	NOTH	0
PARTS NUMBER		40

SELECT THIS FOR CELL WHICH DOES NOT REQUIRE VERTICAL ACTUATION

OPT	UNLOADER	PLACE
ZTR	NOTH	0
PARTS NUMBER		0

RECORD / 17

FIG. 11